09/ 784735

FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11
FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

```
=> s detergent(l)impregnated(l)article
        68723 DETERGENT
        59711 DETERGENTS
        94501 DETERGENT
               (DETERGENT OR DETERGENTS)
        86285 IMPREGNATED
        72329 ARTICLE
        62406 ARTICLES
       123993 ARTICLE
               (ARTICLE OR ARTICLES)
L1          7 DETERGENT(L)IMPREGNATED(L)ARTICLE

=> s paper or (non-woven or un-woven or nonwoven or unwoven) or woven or knitted
       523410 PAPER
        41686 PAPERS
       547531 PAPER
               (PAPER OR PAPERS)
       553080 NON
           30 NONS
       553104 NON
               (NON OR NONS)
        17621 WOVEN
           82 WOVENS
        17678 WOVEN
               (WOVEN OR WOVENS)
         1850 NON-WOVEN
               (NON(W)WOVEN)
        45558 UN
         1587 UNS
        47139 UN
               (UN OR UNS)
        17621 WOVEN
```

```
            82  WOVENS
         17678  WOVEN
                    (WOVEN OR WOVENS)
             9  UN-WOVEN
                    (UN(W)WOVEN)
         24583  NONWOVEN
          2441  NONWOVENS
         24796  NONWOVEN
                    (NONWOVEN OR NONWOVENS)
           944  UNWOVEN
         17621  WOVEN
            82  WOVENS
         17678  WOVEN
                    (WOVEN OR WOVENS)
          4344  KNITTED
L2      587253  PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WOVEN
                    OR KNITTED

=> detergent
DETERGENT IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s detergent
         68723  DETERGENT
         59711  DETERGENTS
L3       94501  DETERGENT
                    (DETERGENT OR DETERGENTS)

=> s solid (1)abrasive(1)particle
        830946  SOLID
        247265  SOLIDS
       1016492  SOLID
                    (SOLID OR SOLIDS)
         23838  ABRASIVE
          9504  ABRASIVES
         26411  ABRASIVE
                    (ABRASIVE OR ABRASIVES)
        540369  PARTICLE
        613990  PARTICLES
        923896  PARTICLE
                    (PARTICLE OR PARTICLES)
L4         472  SOLID (L)ABRASIVE(L)PARTICLE

=> water
WATER IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s water
       1941956  WATER
        212635  WATERS
L5     1992645  WATER
                    (WATER OR WATERS)

=> s silicone oil
         80723  SILICONE
         60535  SILICONES
        117186  SILICONE
                    (SILICONE OR SILICONES)
        630109  OIL
        267505  OILS
```

```
          707225 OIL
                 (OIL OR OILS)
L6         14417 SILICONE OIL
                 (SILICONE(W)OIL)

=> s pencil hardness (l)6B(1)9H
            8707 PENCIL
            1110 PENCILS
            9098 PENCIL
                 (PENCIL OR PENCILS)
          155383 HARDNESS
            1860 HARDNESSES
          156122 HARDNESS
                 (HARDNESS OR HARDNESSES)
            5982 PENCIL HARDNESS
                 (PENCIL(W)HARDNESS)
            8264 6B
            6688 9H
L7             1 PENCIL HARDNESS (L)6B(L)9H

=> s pencil (l)hardness (1)(6B or 9H)
            8707 PENCIL
            1110 PENCILS
            9098 PENCIL
                 (PENCIL OR PENCILS)
          155383 HARDNESS
            1860 HARDNESSES
          156122 HARDNESS
                 (HARDNESS OR HARDNESSES)
            8264 6B
            6688 9H
L8           223 PENCIL (L)HARDNESS (L)(6B OR 9H)

=> d his

      (FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

      FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1           7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
L2      587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
L3       94501 S DETERGENT
L4         472 S SOLID (L)ABRASIVE(L)PARTICLE
L5     1992645 S WATER
L6       14417 S SILICONE OIL
L7           1 S PENCIL HARDNESS (L)6B(L)9H
L8         223 S PENCIL (L)HARDNESS (L)(6B OR 9H)

=> s detergent (l)impregnated
           68723 DETERGENT
           59711 DETERGENTS
           94501 DETERGENT
                 (DETERGENT OR DETERGENTS)
           86285 IMPREGNATED
L9           409 DETERGENT (L)IMPREGNATED

=> d his

      (FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

      FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1           7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
L2      587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
L3       94501 S DETERGENT
L4         472 S SOLID (L)ABRASIVE(L)PARTICLE
```

```
L5          1992645 S WATER
L6            14417 S SILICONE OIL
L7                1 S PENCIL HARDNESS (L)6B(L)9H
L8              223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9              409 S DETERGENT (L)IMPREGNATED

=> s 12 and 13 and 14 and 15 and 16
L10               0 L2 AND L3 AND L4 AND L5 AND L6

=> s 12 and 13 and 14 and 16
L11               0 L2 AND L3 AND L4 AND L6

=> s 12 and 13 and 14
L12               1 L2 AND L3 AND L4

=> s 12 and 13 and 16
L13               4 L2 AND L3 AND L6

=> d his

      (FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

      FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1                7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
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L3            94501 S DETERGENT
L4              472 S SOLID (L)ABRASIVE(L)PARTICLE
L5          1992645 S WATER
L6            14417 S SILICONE OIL
L7                1 S PENCIL HARDNESS (L)6B(L)9H
L8              223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9              409 S DETERGENT (L)IMPREGNATED
L10               0 S L2 AND L3 AND L4 AND L5 AND L6
L11               0 S L2 AND L3 AND L4 AND L6
L12               1 S L2 AND L3 AND L4
L13               4 S L2 AND L3 AND L6

=> d l12 bib, abs

L12  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
AN   1998:406052  CAPLUS
DN   129:83014
TI   Detergent-impregnated article for easy cleaning of hard surfaces
     without streaking
IN   Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu
PA   Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome,
     Hironobu
SO   PCT Int. Appl., 57 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE        APPLICATION NO.  DATE
     ---------------   ----  --------    ---------------  --------
PI   WO 9826040         A1   19980618     WO 1997-JP4448  19971204
        W:  AU, CN, KR, SG, US, VN
        RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     JP 10165344        A2   19980623     JP 1996-328778  19961209
     JP 3007578         B2   20000207
     AU 9851367         A1   19980703     AU 1998-51367   19971204
     AU 730354          B2   20010308
     EP 944713          A1   19990929     EP 1997-946107  19971204
        R:  DE, ES, FR, GB, NL
     CN 1239996         A    19991229     CN 1997-180436  19971204
```

AB   A **detergent**-impregnated article, esp. suitable for cleaning a
     hard surface such as glass, comprises a base body impregnated with a
     detergent comprising **solid abrasive
     particles**, e.g., a vinyl (co)polymer, silicone deriv., etc.; a
     protective layer-forming component, e.g., dimethylpolysiloxane; an org.
     solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a
     thickening polysaccharide; and a surface-active agent, e.g., dodecyl
     glucoside. A hard surface is wiped with the **detergent**
     -impregnated article to apply the **detergent** and release dirt
     from the surface, then dry-wiped lightly with a wiping sheet to remove the
     dirt and **detergent** and form a stain-resistant protective layer
     on the surface. Thus, a **detergent** comprising silicone powder
     (av. **particle** size 2 .mu.m) 3, dimethylpolysiloxane 0.5,
     n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and
     water 71.87% was impregnated in a pulp sheet (basis wt. 55 g/m2, thickness
     0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate,
     which, after the **detergent** dried, was dry-wiped with an
     unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss
     114, static friction coeff. of cleaned surface 0.25, and staining degree
     17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass
     cleaner.

=> d his

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     FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1   7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
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L3   94501 S DETERGENT
L4   472 S SOLID (L)ABRASIVE(L)PARTICLE
L5   1992645 S WATER
L6   14417 S SILICONE OIL
L7   1 S PENCIL HARDNESS (L)6B(L)9H
L8   223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9   409 S DETERGENT (L)IMPREGNATED
L10   0 S L2 AND L3 AND L4 AND L5 AND L6
L11   0 S L2 AND L3 AND L4 AND L6
L12   1 S L2 AND L3 AND L4
L13   4 S L2 AND L3 AND L6

=> d l13 1-4 bib,abs

AB   The removal of residual **silicone oil** from elastane
     fiber of cotton/elastane and polyamide/Elastan **wovens** prior to
     finishing was investigated using solvent-free systems. The following
     tensides and formulations were examd.: fat alc. ethoxylate, castor oil

ethoxylate, fat amine ethoxylate, fat aminoxide, alkylsulfonate, Felosan
NOG, and Lavotan SE. Factors affecting washing process are described and
evaluated. Results regarding **silicone oil** removal,
emulsion stability, and foaming behavior are presented and compared.

```
L13   ANSWER 2 OF 4   CAPLUS   COPYRIGHT 2002 ACS
AN    1997:509380  CAPLUS
DN    127:222267
TI    Granular nonionic detergent compositions with good resistance to
      breakage during storage
IN    Horie, Hiromichi; Takahashi, Yoshiharu; Iwabuchi, Hiroyuki; Abe, Seiji
PA    Lion Corp., Japan
SO    Jpn. Kokai Tokkyo Koho, 8 pp.
      CODEN: JKXXAF
DT    Patent
LA    Japanese
FAN.CNT 1
      PATENT NO.       KIND  DATE        APPLICATION NO.  DATE
      ---------------  ----  --------    ---------------  --------
PI    JP 09194898      A2    19970729    JP 1996-3712     19960112
AB    The compns. contain nonionic surfactants and clay minerals (purity 60-90%,
      crystallinity 60-95%). Thus, granules comprising C12H25O(CH2CH2O)7H 25,
      BPW 009-3 (purity 80%, crystallinity 88%) 6, Silton B 27.5, Nipsil NS-K
      (amorphous silica) 4, light ash 20, Na2SO3 1, SKS 6 5, a 1:1 mixt. of Na
      laurate/Na oleate 0.5, 7:3 acrylic acid-maleic acid copolymer 5,
      poly(ethylene glycol) 0.4, di-Me silicone oil 0.1,
      Tinopal CBS-X 0.2, a 1:1:1 mixt. of lipase/protease/cellulase 1, and other
      additives to 100% showed av. particle diam. 500 .mu.m initially and 490
      .mu.m after storage at 30.degree. and relative humidity 85% in a
      paper box for 30 days.
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L13   ANSWER 3 OF 4   CAPLUS   COPYRIGHT 2002 ACS
AN    1995:212254  CAPLUS
DN    122:167342
TI    The thermodynamical evaluation of the effect of wet lapping conditions on
      the wettability of copper against water
AU    Suzuki, Michiyoshi; Haritani, Yasuo
CS    Educ. Coll., Utsunomiya Univ., Utsunomiya, Japan
SO    Utsunomiya Daigaku Kyoikugakubu Kiyo, Dai-2-bu (1994), 44, 119-29
      CODEN: UDKKBI; ISSN: 0385-2415
DT    Journal
LA    Japanese
AB    In the ebullition behavior of superheated water droplets held on the solid
      surfaces, the wettability of solid surfaces against water plays an
      important role. Both of chem. and phys. property of solid surfaces
      finished by the wet lapping are largely effected by the lapping powder and
      the working liq. Therefore, the wettability of solid surface against
      water is influenced by the lapping conditions, i.e., the kinds of lapping
      powder and the working liq. But it is considered that the thermodynamical
      investigation of it has not been carried out sufficiently till now. In
      this study, GC, C, WA and FO as the lapping powder, and light oil, machine
      oil, liq. paraffin and silicone oil as the working
      liq. were prepd. for the lapping of copper. It is considered that copper
      disks finished by these lapping conditions differ in the wettability
      against water. In this paper, the free energy component
      originated in the dispersion force of the surface free energy of the
      solids and the interaction free energy component originated in the
      nondispersion force at the interface of the solids and water were calcd.
      on the basis of contact angles measured exptl. The effect of lapping
      conditions on the wettability of copper against water was
      thermodynamically discussed from the standpoint of free energy.
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L13   ANSWER 4 OF 4   CAPLUS   COPYRIGHT 2002 ACS
AN    1987:215645  CAPLUS
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DN    106:215645
TI    One-step dry-and-shine polishing cloth
IN    Floyd, David Thoma; Shanklin, Gary Lee; Meitner, Gary Howard; Lynch,
      Gordon Edward
PA    Kimberly-Clark Corp., USA
SO    Eur. Pat. Appl., 9 pp.
      CODEN: EPXXDW
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.        KIND   DATE         APPLICATION NO.   DATE
      ---------------   ----   --------     ---------------   --------
PI    EP 211773         A2     19870225     EP 1986-401844    19860820
      EP 211773         A3     19880107
         R:  AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE
      US 4683001        A      19870728     US 1985-768905    19850823
      BR 8603854        A      19870324     BR 1986-3854      19860813
      AU 8661639        A1     19870226     AU 1986-61639     19860820
PRAI  US 1985-768905           19850823
AB    A disposable article for drying and polishing automobiles comprises a
      synthetic absorbent cloth contg. wax, silicone oil,
      and detergent or soap.  A web of melt-blown polypropylene was
      rotogravure printed with a mixt. of silicone oil 21.5,
      oxidized montan wax 5.38, carnauba wax 3.58, oleic acid 5.38, antistatic
      agent 0.1, UV inhibitor 0.1, morpholine 5.02, water 28.44, and iso-PrOH
      30.5% to prep. a drying-polishing article.
```

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=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE     TOTAL
                                                     ENTRY     SESSION
FULL ESTIMATED COST                                   0.21        0.21

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        68723 DETERGENT
        59711 DETERGENTS
        94501 DETERGENT
              (DETERGENT OR DETERGENTS)
        86285 IMPREGNATED
        72329 ARTICLE
        62406 ARTICLES
       123993 ARTICLE
              (ARTICLE OR ARTICLES)
L1          7 DETERGENT(L)IMPREGNATED(L)ARTICLE

=> s paper or (non-woven or un-woven or nonwoven or unwoven) or woven or knitted
       523410 PAPER
        41686 PAPERS
       547531 PAPER
              (PAPER OR PAPERS)
       553080 NON
           30 NONS
       553104 NON
              (NON OR NONS)
        17621 WOVEN
           82 WOVENS
        17678 WOVEN
              (WOVEN OR WOVENS)
         1850 NON-WOVEN
              (NON(W)WOVEN)
        45558 UN
         1587 UNS
        47139 UN
              (UN OR UNS)
        17621 WOVEN
```

```
            82 WOVENS
         17678 WOVEN
                  (WOVEN OR WOVENS)
             9 UN-WOVEN
                  (UN(W)WOVEN)
         24583 NONWOVEN
          2441 NONWOVENS
         24796 NONWOVEN
                  (NONWOVEN OR NONWOVENS)
           944 UNWOVEN
         17621 WOVEN
            82 WOVENS
         17678 WOVEN
                  (WOVEN OR WOVENS)
          4344 KNITTED
L2      587253 PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WOVEN
               OR KNITTED

=> detergent
DETERGENT IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s detergent
         68723 DETERGENT
         59711 DETERGENTS
L3       94501 DETERGENT
                  (DETERGENT OR DETERGENTS)

=> s solid (1)abrasive(1)particle
        830946 SOLID
        247265 SOLIDS
       1016492 SOLID
                  (SOLID OR SOLIDS)
         23838 ABRASIVE
          9504 ABRASIVES
         26411 ABRASIVE
                  (ABRASIVE OR ABRASIVES)
        540369 PARTICLE
        613990 PARTICLES
        923896 PARTICLE
                  (PARTICLE OR PARTICLES)
L4         472 SOLID (L)ABRASIVE(L)PARTICLE

=> water
WATER IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s water
       1941956 WATER
        212635 WATERS
L5     1992645 WATER
                  (WATER OR WATERS)

=> s silicone oil
         80723 SILICONE
         60535 SILICONES
        117186 SILICONE
                  (SILICONE OR SILICONES)
        630109 OIL
        267505 OILS
```

```
           707225 OIL
                 (OIL OR OILS)
L6          14417 SILICONE OIL
                 (SILICONE(W)OIL)


=> s pencil hardness (l)6B(l)9H
             8707 PENCIL
             1110 PENCILS
             9098 PENCIL
                  (PENCIL OR PENCILS)
           155383 HARDNESS
             1860 HARDNESSES
           156122 HARDNESS
                  (HARDNESS OR HARDNESSES)
             5982 PENCIL HARDNESS
                  (PENCIL(W)HARDNESS)
             8264 6B
             6688 9H
L7              1 PENCIL HARDNESS (L)6B(L)9H


=> s pencil (l)hardness (l)(6B or 9H)
             8707 PENCIL
             1110 PENCILS
             9098 PENCIL
                  (PENCIL OR PENCILS)
           155383 HARDNESS
             1860 HARDNESSES
           156122 HARDNESS
                  (HARDNESS OR HARDNESSES)
             8264 6B
             6688 9H
L8            223 PENCIL (L)HARDNESS (L)(6B OR 9H)

=> d his


      (FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)


      FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
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L2      587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
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L5     1992645 S WATER
L6       14417 S SILICONE OIL
L7           1 S PENCIL HARDNESS (L)6B(L)9H
L8         223 S PENCIL (L)HARDNESS (L)(6B OR 9H)


=> s detergent (l)impregnated
            68723 DETERGENT
            59711 DETERGENTS
            94501 DETERGENT
                  (DETERGENT OR DETERGENTS)
            86285 IMPREGNATED
L9            409 DETERGENT (L)IMPREGNATED

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L3       94501 S DETERGENT
L4         472 S SOLID (L)ABRASIVE(L)PARTICLE
```

```
L5        1992645 S WATER
L6          14417 S SILICONE OIL
L7              1 S PENCIL HARDNESS (L)6B(L)9H
L8            223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9            409 S DETERGENT (L)IMPREGNATED

=> s 12 and 13 and 14 and 15 and 16
L10              0 L2 AND L3 AND L4 AND L5 AND L6

=> s 12 and 13 and 14 and 16
L11              0 L2 AND L3 AND L4 AND L6

=> s 12 and 13 and 14
L12              1 L2 AND L3 AND L4

=> s 12 and 13 and 16
L13              4 L2 AND L3 AND L6

=> d his

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L3           94501 S DETERGENT
L4             472 S SOLID (L)ABRASIVE(L)PARTICLE
L5         1992645 S WATER
L6           14417 S SILICONE OIL
L7               1 S PENCIL HARDNESS (L)6B(L)9H
L8             223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9             409 S DETERGENT (L)IMPREGNATED
L10              0 S L2 AND L3 AND L4 AND L5 AND L6
L11              0 S L2 AND L3 AND L4 AND L6
L12              1 S L2 AND L3 AND L4
L13              4 S L2 AND L3 AND L6

=> d l12 bib, abs

L12  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
AN   1998:406052  CAPLUS
DN   129:83014
TI   Detergent-impregnated article for easy cleaning of hard surfaces
     without streaking
IN   Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu
PA   Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome,
     Hironobu
SO   PCT Int. Appl., 57 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE        APPLICATION NO.  DATE
     ---------------   ----  --------    ---------------  --------
PI   WO 9826040         A1   19980618      WO 1997-JP4448  19971204
         W:  AU, CN, KR, SG, US, VN
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     JP 10165344        A2   19980623      JP 1996-328778  19961209
     JP 3007578         B2   20000207
     AU 9851367         A1   19980703      AU 1998-51367   19971204
     AU 730354          B2   20010308
     EP 944713          A1   19990929      EP 1997-946107  19971204
         R:  DE, ES, FR, GB, NL
     CN 1239996         A    19991229      CN 1997-180436  19971204
```

AB   A **detergent**-impregnated article, esp. suitable for cleaning a
      hard surface such as glass, comprises a base body impregnated with a
      detergent comprising **solid abrasive
      particles**, e.g., a vinyl (co)polymer, silicone deriv., etc.; a
      protective layer-forming component, e.g., dimethylpolysiloxane; an org.
      solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a
      thickening polysaccharide; and a surface-active agent, e.g., dodecyl
      glucoside. A hard surface is wiped with the **detergent**
      -impregnated article to apply the **detergent** and release dirt
      from the surface, then dry-wiped lightly with a wiping sheet to remove the
      dirt and **detergent** and form a stain-resistant protective layer
      on the surface. Thus, a **detergent** comprising silicone powder
      (av. **particle** size 2 .mu.m) 3, dimethylpolysiloxane 0.5,
      n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and
      water 71.87% was impregnated in a pulp sheet (basis wt. 55 g/m2, thickness
      0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate,
      which, after the **detergent** dried, was dry-wiped with an
      unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss
      114, static friction coeff. of cleaned surface 0.25, and staining degree
      17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass
      cleaner.

=> d his

      (FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

      FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1   7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
L2   587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
L3   94501 S DETERGENT
L4   472 S SOLID (L)ABRASIVE(L)PARTICLE
L5   1992645 S WATER
L6   14417 S SILICONE OIL
L7   1 S PENCIL HARDNESS (L)6B(L)9H
L8   223 S PENCIL (L)HARDNESS (L)(6B OR 9H)
L9   409 S DETERGENT (L)IMPREGNATED
L10   0 S L2 AND L3 AND L4 AND L5 AND L6
L11   0 S L2 AND L3 AND L4 AND L6
L12   1 S L2 AND L3 AND L4
L13   4 S L2 AND L3 AND L6

=> d l13 1-4 bib,abs

L13   ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
AN   2001:79285 CAPLUS
DN   134:253634
TI   Washing of Elastan-containing textiles
AU   Held-Beller, Silvia; Horrer, Bernd
CS   CHT R. Beitlich GmbH, Tubingen, D-72072, Germany
SO   Textilveredlung (2000), 35(11/12), 4,6,8-10
      CODEN: TXLVAE; ISSN: 0040-5310
PB   Verlag Textilveredlung AG
DT   Journal
LA   German
AB   The removal of residual **silicone oil** from elastane
      fiber of cotton/elastane and polyamide/Elastan **wovens** prior to
      finishing was investigated using solvent-free systems. The following
      tensides and formulations were examd.: fat alc. ethoxylate, castor oil

ethoxylate, fat amine ethoxylate, fat aminoxide, alkylsulfonate, Felosan
NOG, and Lavotan SE. Factors affecting washing process are described and
evaluated. Results regarding **silicone oil** removal,
emulsion stability, and foaming behavior are presented and compared.

L13   ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS
AN   1997:509380 CAPLUS
DN   127:222267
TI   Granular nonionic **detergent** compositions with good resistance to
      breakage during storage
IN   Horie, Hiromichi; Takahashi, Yoshiharu; Iwabuchi, Hiroyuki; Abe, Seiji
PA   Lion Corp., Japan
SO   Jpn. Kokai Tokkyo Koho, 8 pp.
      CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 09194898	A2	19970729	JP 1996-3712	19960112

AB   The compns. contain nonionic surfactants and clay minerals (purity 60-90%,
      crystallinity 60-95%). Thus, granules comprising C12H25O(CH2CH2O)7H 25,
      BPW 009-3 (purity 80%, crystallinity 88%) 6, Silton B 27.5, Nipsil NS-K
      (amorphous silica) 4, light ash 20, Na2SO3 1, SKS 6 5, a 1:1 mixt. of Na
      laurate/Na oleate 0.5, 7:3 acrylic acid-maleic acid copolymer 5,
      poly(ethylene glycol) 0.4, di-Me **silicone oil** 0.1,
      Tinopal CBS-X 0.2, a 1:1:1 mixt. of lipase/protease/cellulase 1, and other
      additives to 100% showed av. particle diam. 500 .mu.m initially and 490
      .mu.m after storage at 30.degree. and relative humidity 85% in a
      paper box for 30 days.

L13   ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS
AN   1995:212254 CAPLUS
DN   122:167342
TI   The thermodynamical evaluation of the effect of wet lapping conditions on
      the wettability of copper against water
AU   Suzuki, Michiyoshi; Haritani, Yasuo
CS   Educ. Coll., Utsunomiya Univ., Utsunomiya, Japan
SO   Utsunomiya Daigaku Kyoikugakubu Kiyo, Dai-2-bu (1994), 44, 119-29
      CODEN: UDKKBI; ISSN: 0385-2415
DT   Journal
LA   Japanese
AB   In the ebullition behavior of superheated water droplets held on the solid
      surfaces, the wettability of solid surfaces against water plays an
      important role. Both of chem. and phys. property of solid surfaces
      finished by the wet lapping are largely effected by the lapping powder and
      the working liq. Therefore, the wettability of solid surface against
      water is influenced by the lapping conditions, i.e., the kinds of lapping
      powder and the working liq. But it is considered that the thermodynamical
      investigation of it has not been carried out sufficiently till now. In
      this study, GC, C, WA and FO as the lapping powder, and light oil, machine
      oil, liq. paraffin and **silicone oil** as the working
      liq. were prepd. for the lapping of copper. It is considered that copper
      disks finished by these lapping conditions differ in the wettability
      against water. In this **paper**, the free energy component
      originated in the dispersion force of the surface free energy of the
      solids and the interaction free energy component originated in the
      nondispersion force at the interface of the solids and water were calcd.
      on the basis of contact angles measured exptl. The effect of lapping
      conditions on the wettability of copper against water was
      thermodynamically discussed from the standpoint of free energy.

L13   ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
AN   1987:215645 CAPLUS

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DN    106:215645
TI    One-step dry-and-shine polishing cloth
IN    Floyd, David Thoma; Shanklin, Gary Lee; Meitner, Gary Howard; Lynch,
      Gordon Edward
PA    Kimberly-Clark Corp., USA
SO    Eur. Pat. Appl., 9 pp.
      CODEN: EPXXDW
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.          KIND  DATE          APPLICATION NO.  DATE
      ---------------     ----  --------      ---------------  --------
PI    EP 211773           A2    19870225      EP 1986-401844   19860820
      EP 211773           A3    19880107
         R:  AT, BE, CH, DE, FR, GB,  IT, LI, LU, NL, SE
      US 4683001          A     19870728      US 1985-768905   19850823
      BR 8603854          A     19870324      BR 1986-3854     19860813
      AU 8661639          A1    19870226      AU 1986-61639    19860820
PRAI  US 1985-768905            19850823
AB    A disposable article for drying and polishing automobiles comprises a
      synthetic absorbent cloth contg. wax, **silicone oil**,
      and **detergent** or soap.  A web of melt-blown polypropylene was
      rotogravure printed with a mixt. of **silicone oil** 21.5,
      oxidized montan wax 5.38, carnauba wax 3.58, oleic acid 5.38, antistatic
      agent 0.1, UV inhibitor 0.1, morpholine 5.02, water 28.44, and iso-PrOH
      30.5% to prep. a drying-polishing article.


=> log y
COST IN U.S. DOLLARS                              SINCE FILE       TOTAL
                                                    ENTRY         SESSION
FULL ESTIMATED COST                                 66.17          66.38


DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE       TOTAL
                                                    ENTRY         SESSION
CA SUBSCRIBER PRICE                                 -3.10          -3.10

STN INTERNATIONAL LOGOFF AT 08:52:14 ON 11 SEP 2002



=> S detergent-impregnated or detergentimpregnated or detergent impregnated
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE       TOTAL
                                                    ENTRY         SESSION
FULL ESTIMATED COST                                 0.84           0.84

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   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

=> s detergent-impregnated or detergent impregnated
          70186 DETERGENT
          61651 DETERGENTS
          96537 DETERGENT
                (DETERGENT OR DETERGENTS)
          88184 IMPREGNATED
             29 DETERGENT-IMPREGNATED
                (DETERGENT(W)IMPREGNATED)
          70186 DETERGENT
          61651 DETERGENTS
          96537 DETERGENT
                (DETERGENT OR DETERGENTS)
          88184 IMPREGNATED
             29 DETERGENT IMPREGNATED
                (DETERGENT(W)IMPREGNATED)
L1   29 DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED

=> s article
          76843 ARTICLE
          64774 ARTICLES
L2   130330 ARTICLE
                (ARTICLE OR ARTICLES)

=> s water or aqueous
        2000223 WATER
         219894 WATERS
        2050478 WATER
                (WATER OR WATERS)
         150641 AQUEOUS
              1 AQUEOUSES
         150642 AQUEOUS
                (AQUEOUS OR AQUEOUSES)
         949296 AQ
            128 AQS
         949374 AQ
                (AQ OR AQS)
         983133 AQUEOUS
                (AQUEOUS OR AQ)
L3   2748683 WATER OR AQUEOUS

=> s pencil hardness
           8895 PENCIL
           1155 PENCILS
           9300 PENCIL
                (PENCIL OR PENCILS)
         159537 HARDNESS
           1890 HARDNESSES
         160280 HARDNESS
                (HARDNESS OR HARDNESSES)
L4   6117 PENCIL HARDNESS
                (PENCIL(W)HARDNESS)

=> s pencil(1)hardness